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STATE COLLEGE

AT

BOSTON

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CATALOGUE

1962-1963

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BOSTON 15, MASSACHUSETTS

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EDUCATION
FOR
SERVICE

STATE COLLEGE

AT

BOSTON

625 HUNTINGTON AVENUE
BOSTON 15, MASSACHUSETTS

CATALOGUE NUMBER

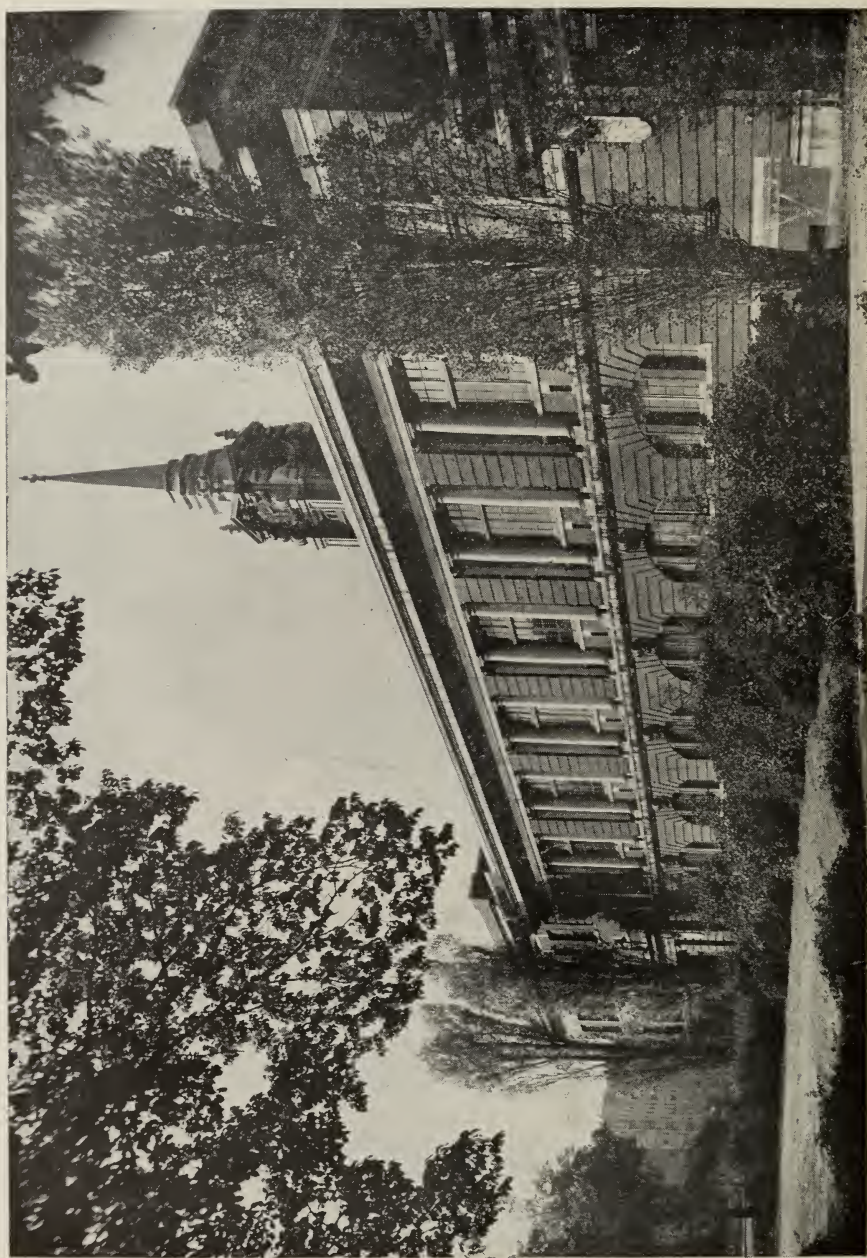
1962-1963



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-
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INTRODUCTION

The undergraduate program at the State College at Boston prepares for kindergarten, elementary, and secondary classes. The graduate program provides opportunity for professional training for college graduates intending to teach in either elementary or secondary schools. The continuing studies program is designed to give further cultural and professional training to teachers in service.

Two conveniently located units of the Boston public school system, the Tobin and Farragut schools, are associated with this institution as laboratory or training schools. They are staffed by competent and experienced instructors carefully selected as training teachers by the Boston school authorities. Each student during the junior year has ample opportunity to observe maximal teaching and to teach under direct guided supervision. Seniors are assigned to public schools as student teachers under the supervision of faculty members. Thus each student receives a concrete and practical training in the art and science of teaching, and each graduate enters teaching further prepared by observation and experience to cope with the problems of the profession.

State College at Boston is operated on the principle that the educator must also be the educated, and that the general education of an aspirant to the teaching profession is no less a college responsibility than his professional training. Nearly three-quarters of the student's classroom time is devoted to courses which are broadly cultural in purpose. The exact proportion of attention varies somewhat with the elective choices of the individual students, but for the college as a whole there is a fairly even division among the humanities, the social studies, mathematics and the sciences.

Each student receives instruction in correct writing and is introduced to the major periods and figures of English and American literature. He may elect other courses in English and American literature, and in the French and Spanish languages and literatures. He is introduced to the significant styles and outstanding creations in the art and music of the important periods and may elect technical or creative courses in art and music.

Each student is introduced to the major epochs in the history of western culture, and studies the rise and progress of democratic institutions in the United States. He studies the economic geography of the United States and other areas, and may elect further study in the fields of economics, geography, government, and history.

Each student takes a course in psychology, philosophy, physical science and a course in biological science, and may elect further courses in biology, chemistry, physics, or mathematics. Whenever feasible, elective courses are arranged in sequences and students

with well developed interests in art, mathematics, music, the Romance languages and literatures, or science may do intensive work in these fields throughout their four years of undergraduate study.

It is the purpose of the State College at Boston to graduate young men and women who are broadly educated in the liberal tradition and soundly trained in the techniques of their profession, and all of whose qualities . . . spiritual, mental, emotional, physical, and social . . . have been developed. This purpose arises from the conviction that such education and such training are natural and necessary complements in a teacher, and that the schools of America should be entrusted only to those who meet both tests.

Beginning in September 1962, the State College at Boston is offering, in addition to its present Bachelor of Science in Education program, a new curriculum leading to the degree **Bachelor of Arts** within the teacher training program. This new curriculum will be open to certain high school graduates who plan to be teachers and who have successfully completed the following entrance requirements in addition to the regular requirements as stated in the 1961 Bulletin of Information for candidates admitted under Plan I:

at least two years of the same foreign language
in high school

All candidates for admission to either the Bachelor of Science in Education or the Bachelor of Arts program **must take** the following College Entrance Examination Board Tests for admission in September 1962.

- (1) Scholastic Aptitude Test (Both verbal and mathematical)
- (2) English Achievement Test (Exclusive of writing sample)
- (3) Two other Achievement Tests of **each** candidate's own choosing.

GENERAL INFORMATION

LOCATION AND ENVIRONMENT

The State College at Boston is located on Huntington Avenue between Longwood Avenue and Evans Way in Boston's educational and cultural center. In the immediate vicinity are Simmons, and Emmanuel Colleges, the Harvard Medical and Dental Schools, Wentworth Institute, Northeastern University, and the Massachusetts College of Art. The Boston Museum of Fine Arts and the Isabella Stewart Gardner Museum offer unusual cultural advantages both in their collections and through their fine concerts and lectures.

PURPOSES

The purposes of the State College at Boston are:

(1) to prepare undergraduates, candidates for the degrees of Bachelor of Science in Education and Bachelor of Arts for teaching in one of three fields: kindergarten, elementary school, secondary school; to furnish the students with a cultural as well as a technical background;

(2) to prepare graduate students for teaching in the elementary school and in the fields of their major electives in the secondary school;

(3) to enable teachers in service, through extension courses, to qualify for either the Bachelor's or the Master's degree and to enrich their professional and cultural background.

HISTORY

The State College at Boston is an outgrowth of the Boston Normal School, which was founded in 1852. During its more than one hundred years of service it has given to the community many thousands of cultured and well trained classroom teachers. Always abreast of current trends in education, the institution became a teachers college in 1924. Beginning in 1930, students have been graduated from a four year course with the degree of Bachelor of Science in Education. These students were prepared to teach in the kindergarten, elementary, junior and senior high schools.

On September 1, 1952, the Teachers College of the City of Boston became by legislative act the State Teachers College at Boston under the State Department of Education. By vote of the Board of Education under legislative act adopted in 1960 the name of this college has been changed to the State College at Boston, effective September 2, 1960.

COLLEGE YEAR

The scholastic year is divided into two semesters. Examinations and tests are held at regular intervals throughout each semester. Midyear examinations follow the first semester. Final examinations follow the second semester. Grades in courses are issued quarterly.

TUITION

Tuition rates are set annually by the Board of Education. For the school year 1962-1963 the charge is \$200.00 for residents of Massachusetts.

Each applicant for admission must pay a registration fee of \$20.00 following notification of acceptance of admission. This fee will be deducted from the tuition of students who attend and will be forfeited by those who do not attend. Refunds for students leaving the college within six weeks after the beginning of the semester will be based on the regularly-established schedule of refunds, minus the registration fee.

COURSES (OR CURRICULA)

Four programs are offered leading to the degree BACHELOR of SCIENCE in EDUCATION.

1. Kindergarten—Primary
2. Elementary
3. Secondary
4. Industrial Arts (Limited to residents of Boston).

Note: This program is offered to Seniors only. There will be no Industrial Arts program after the academic year 1962-1963.

The BACHELOR OF ARTS program is offered in the following areas of concentration for Secondary Education:

1. English
2. Social Studies
3. Mathematics
4. Modern Languages

THE LABORATORY SCHOOLS

Of special interest to those preparing for teaching are the LABORATORY SCHOOLS, located in the Tobin and Farragut buildings. These schools provide observation and participation teaching facilities.

In the Junior year this work is pursued with a great amount of participation. This observation and participation program prepares the student for the supervised teaching schedule described below.

SUPERVISED TEACHING

In the Senior year the Kindergarten and Elementary students go out into the neighboring public school systems and spend a whole semester under the direction of selected classroom teachers. The Secondary students have a similar program for eight weeks. In this phase of the program they observe, teach, and carry on general school work.

In the Graduate School a similar program is in force providing the students with the level of classwork for which they are preparing.

SPECIAL EQUIPMENT

Well equipped laboratories are provided for the study of Physics, Chemistry, Biology, and General Science. Special work-rooms and clinics for the study of kindergarten methods and reading problems as well as attractive art and music studios have been set up in the main group of buildings. Listening rooms and language laboratory equipment have recently been added.

PHYSICAL EDUCATION

A well-rounded program of Physical Education is provided in the Freshman year. Games and skills are stressed with the aim of keeping the students physically fit and providing them with techniques to be used later in school and playground work.

In the field of competitive athletics a full schedule of games with other colleges is provided for men students, and organized games are scheduled for women students on an informal basis. The college gymnasium is spacious and well equipped.

GRADUATE SCHOOL

There are two programs leading to the degree of MASTER OF EDUCATION:

1. Full-time Day Graduate School, and
2. Part-time Program of Continuing Studies.

In the full-time day Graduate School qualified graduates of approved colleges and universities are admitted in September and must follow a prescribed course including Practice Teaching and the writing of a thesis. If successful, these candidates receive the degree in June of the same academic year. Graduates of teacher preparation schools are not admitted to this program.

In the part-time program students must enroll in the Program of Continuing Studies. This program is designed primarily for teachers in service. Classes meet in the late afternoon (4:00 P.M.), in the evening (7:00 P.M.), and on Saturday, and in the Summer (8:00, 9:30, and 11:00 A.M.). Teachers in service are permitted to carry not more than six semester hours per semester in this program.

DAY GRADUATE SCHOOL

1. Elementary Education
2. Secondary Education

In the Secondary program students must elect one of the following major fields:

1. English
2. History
3. Foreign Language
4. Mathematics
5. Science

An eight weeks period of student teaching under the supervision of the faculty of the college provides a practical background for the courses in Educational Theory and Method. An original thesis on an approved subject in the major field is required. A grade of 3.0 (80%) or above in each course is mandatory for degree credit.

See curriculum: page 33

PROGRAM OF CONTINUING STUDIES AND SUMMER SESSION

This program admits candidates for either the degree Bachelor of Science in Education or the degree Master of Education. Primarily designed for teachers in service, the classes are held in the late afternoon, in the evening, and during the summer. More detailed information may be obtained by writing to the Director of Continuing Studies.

LIBRARY

The College Library serves the students by offering supplementary readings for research and regular course requirements.



The Reference Book collection began with the early acquisition from the Boston Normal School, which included the notable and valuable gifts from the Educational Library of John D. Philbrick in 1890. Since 1923 the selection and purchase of volumes together with gifts by many individuals have maintained the high standard of the Reference and Circulating collections.

The Library, organized on a college basis with more than 26,000 volumes, is available to all students.

STUDENT GOVERNMENT ASSOCIATION

All members of the student body are members of the Student Government Association, which has been organized to represent and further the students' interests; to promote high standards of integrity; to secure co-operation among student organizations: in general, to promote esprit de corps.



CLUBS

Extra-curricular activities come under the sponsorship of the various clubs, a partial list of which follows:

Art, Drama, Debating, French, Literary, Mathematics, Music, Psychology, Men's Athletic Association, Women's Recreation Association, Philosophy, Volunteer Service Organization, and World Affairs.

ATHLETICS

The two major sports at College are Basketball and Baseball.

THE ALL COLLEGE DINNER

Held near the beginning of the academic year, this dinner serves as a means of welcoming the freshmen to the student body and acquainting them with the college traditions.

EDUCATION WEEK

Under the auspices of The Student Government Association appropriate activities are conducted culminating in an evening program and reception for the parents.

CAP AND GOWN DAY

A dignified and beautiful ceremony is held in the courtyard. The College formally recognizes the Seniors.

CHRISTMAS OBSERVANCES

Although several clubs have their special way of celebrating the Christmas Season, the official observance is a beautiful manifestation of the Christmas spirit in the form of a religious play or pageant presented cooperatively by the Drama, Music, and Art Clubs. A social hour usually follows the program.

THE COLLEGE PLAY

Each year the Junior Class sponsors the College play. This generally takes place during Junior Week.

JUNIOR WEEK

The second week in May is given over to the Juniors. Activities begin with a tea for the parents on Mother's Day. This is followed by a night at the Pops, the ring ceremony, the college play, the class banquet, and the Junior Prom.

SENIOR WEEK

The week preceding Commencement is devoted to the seniors. Beginning with the Baccalaureate ceremonies, the seniors attend a number of farewell activities. These include a theatre party, an outing, a formal dinner, and Class Day.

RELIGIOUS HOUR

Each week an entire hour is scheduled in the program for the various denominations to meet with clergymen of their own faiths. In addition to this, offices for the clergy have been set up in the North Building where students may confer with their spiritual advisors at other times than the Religious Hour. During the regularly scheduled Religious Hour, no other college activities are permitted.



REQUIREMENTS FOR ADMISSION

I. General Qualifications.

Every candidate for admission as a regular student must meet the following requirements:

1. Health.

The candidate must be in good physical condition and free from any disease, infirmity, or other defect which would render him unfit for public school teaching. A statement from the family physician and examination by the college physician are required evidences in this regard.

2. High School Graduation.

Candidate must have a high school diploma or equivalent preparation.

3. Completion of Sixteen Units of High School Work.

The "HIGH SCHOOL RECORD" must show the completion of sixteen units accepted by the high school in fulfillment of graduation requirements or the candidate must present evidence of equivalent preparation.

"A unit represents a year's study in any subject of a secondary school so planned as to constitute approximately one-fourth of a full year of work for a pupil of normal ability. To count as a unit, the recitation periods shall aggregate approximately 120 sixty-minute hours. Time occupied by shop or laboratory work counts one-half as much as time in recitation."

4. Personal Interview.

A satisfactory personal interview of each candidate by faculty members of the college is required.

5. Personal Characteristics.

The results of the personal interview and the moral character of the candidate must, in the judgment of the President of the College, warrant the admission of the candidate. The recommendation of the high school principal will be given consideration in determining the fitness of the candidate for the profession of teaching.

6. Successful Completion of the College Entrance Examination Board Scholastic Aptitude Tests and/or Other Tests Prescribed by the Department of Education.



II. Submission of "Application for Admission" and "High School Record."

Every candidate for admission to a State College or the Massachusetts College of Art is required to submit to the College of his choice:

1. A completed form entitled "APPLICATION FOR ADMISSION TO A STATE COLLEGE."

2. Through the high school principal, his high school record on a form entitled "HIGH SCHOOL RECORD" which includes "RATINGS OF PERSONAL CHARACTERISTICS."

These forms may be obtained from the high school or college and should be filed early in the senior year.

III. Time of Admission.

1. Plan I applicants (see IV. A. below) may file applications and may be admitted provisionally after the first marking period of the senior year. Final acceptance is contingent upon the maintenance of a high school record for the first two marking periods or the first half of the senior year which meets the requirements for admission by academic evaluation and upon successful completion of the College Entrance Examination Board Scholastic Aptitude Tests and/or other examinations prescribed by the Department of Education.

2. Plan II applicants (see IV. B. below) may not be granted provisional admission but may submit applications after the first marking period of the senior year. It is to the advantage of these candidates to submit their applications at an early date.

IV. Methods of Admission.

A. Plan I.

Admission by academic evaluation is granted to candidates as follows: On the basis of A-4, B-3, C-2, D-1, candidates who have an average of not less than 3.0 in the highest 16 units of high school work will be admitted, provided they have successfully completed the College Entrance Examination Board Scholastic Aptitude Tests and/or other tests prescribed by the Department of Education.

Prescribed — These 16 units must include the following 8 units:

English (including Grade XII)	4 units
American History and Government	1 unit
Algebra	1 unit
Geometry	1 unit
Biology, or Physics, or Chemistry	1 unit

Distribution of units for Applicants Admitted by Evaluation

The units must be so distributed that the number offered in any field, including the prescribed units, shall not be more than the following:

English, 4 units; Social Studies, 4 units; Science, 4 units; Foreign Language, 7 units (no credit accepted for less than 2 units of any one language); Mathematics, 4 units; Business Subjects, 2 units*; Fine and Industrial Arts, 2 units*; Home Economics, 2 units*; and Physical Education, 1 unit.

B. Plan II.

Students who are not eligible for admission by academic evaluation as described in the foregoing, but who possess a high school diploma or its equivalent, are interested in teaching, and qualify under General Qualifications stated under I., may be admitted to the State Colleges on successful completion of the College Entrance Examination Board Scholastic Aptitude Test and/or other tests prescribed by the Department of Education provided they present high school credits in the following subjects:

English through Grade XII	4 units
American History and Government	1 unit
Mathematics	2 units
Science	1 unit

The standing of the applicant will be determined by the examination scores and the prescribed high school credits.

V. Date and Place of Examinations.

All applicants will be required to take the College Entrance Examination Board Scholastic Aptitude Test and three Achievement Tests consisting of English and any two others of the candidate's choosing. These tests are to be given on December 1, 1962, January 12, March 2, May 18, and August 14, 1963 at convenient locations throughout the state.

VI. Waiting Lists.

If the number of applicants qualified for admission, following the administration of any of the entrance examinations, exceeds the number that the facilities of the College will accommodate, a waiting list will be established.

REQUIREMENTS FOR PROMOTION AND GRADUATION

1. A system of quality points is in force in all of the State Colleges and the Massachusetts School of Art. Under this system, grades will be given the following values: A-4 to 5, B-3 to 3.9, C-2 to 2.9, D-1 to 1.9, E-0.

2. The number of quality points which a student receives in a course is determined by multiplying the total number of semester hours in the course by the corresponding number of quality points, e.g., a six-semester-hour course with a rating of "4" has a value of 24 quality points. The average is computed by dividing the total number of quality points by the total number of semester hours.

3. The average of the grades required for promotion or graduation is two. Students with an average of less than two must withdraw from college unless permission to repeat the year is given by the Director of the State Colleges on the recommendation of the President for such reasons as illness, home difficulties, etc.

Students with an average of less than 1.5 at the end of any semester may be dropped from the college. They may be permitted to re-enter with permission of the Director of the State College on the recommendation of the President, for such reasons as illness, home difficulties, and similar circumstances.

4. Incomplete grades must be made up within eight weeks after the opening of the following semester. (No course may be marked "incomplete" unless 80% of the work has been done at the time of discontinuance.)

5. The determination of quality points is made at the end of each college year and, excepting when the year is repeated, the number of points is not affected by grades in courses subsequently taken and passed.

6. "E" grades can never be removed, but the subjects in which they have been received must be repeated and passed, or, in the case of electives, other approved courses must be taken and passed either in approved summer sessions, or, when possible, during the regular college year. Continuing subjects, in which "E" grades have been received, must be successfully repeated before the student may take advanced work.

7. The grade for a repeated or alternate course will be recorded in the college records as follows: "Repeated or alternate course passed at with a grade of"

(Name)

(College)

EXPENSES

The following summary indicates as nearly as possible the regular expenses for which each student must plan in an annual budget:

I. Fees for Residents of Massachusetts.

1. \$200.00 a year payable in two installments at the beginning of each semester.
2. \$7.00 a semester hour—Courses for part-time day students
3. \$13.00 a semester hour—Continuing Studies and Summer courses

II. Fees for Non-Residents of Massachusetts.

1. \$600.00 a year payable in two installments at the beginning of each semester
2. \$22.00 a semester hour—Continuing Studies and Summer courses

III. Registration Fee. Each applicant for admission to a Massachusetts State College must pay a registration fee of \$20.00 following notification of acceptance of admission. This fee will be deducted from the tuition of students who attend and will be forfeited by those who do not attend. Refunds for students leaving the college within six weeks after the beginning of the semester will be based on the regularly-established schedule of refunds, minus the registration fee. This regulation became effective for students entering on or after September 1, 1955.

IV. Textbooks and Supplies. Students are expected to purchase all necessary textbooks and supplies, at an approximate expense of \$75.00 a year.

OUTLINE OF CURRICULA **Kindergarten-Primary Curriculum**

FIRST YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
E101 English Composition	3	E102 English Composition	3
E103 Effective Speech	2	H102 Personal Health	2
H101 Western Civilization	3	H102 Western Civilization	3
PhEd101 Physical Ed.	0	PhEd102 Physical Ed.	0
P101 General Psychology	3	P102 Ed. Psychology	3
PS101 Physical Sciences	3	PS102 Physical Sciences	3
Elective	3	Elective	3
	<hr/> 17		<hr/> 17

SECOND YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
A201 Art Appreciation	3	E202 Maj. Br. Writers II	3
P201 Child Development	2	H202 American History	3
E201 Maj. Br. Writers I	3	Ms202 Music Appreciation	3
H201 Am. History	3	PhEd202 Recreation & Leadership	1
PhEd201 Aquatics	0	BS202 Biology	3
BS201 Biology	3	Elective	3
Elective	3		<hr/> 16
	<hr/> 17		

THIRD YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
A315 Art for Kind.-Prim.	3	A316 Arts & Crafts	1
Ed311 Communicative Arts	2	Ed312 Communicative Arts	2
Ed313 Kind.-Prim. Principles	2	Ed314 Kind.-Prim. Principles	2
G301 Geography	3	E322 Chil. Lit.	2
M305 Basic Math.	3	M316 Prim. Sch. Math.	2
PhEd301 Physical Ed.	1	G302 Geography	3
Elective	3	FA302 First Aid	1
	<hr/> 17	Elective	3
			<hr/> 16

FOURTH YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Phil401 General Philosophy	3	Ed400 Student Teaching and Seminar	14
Ms411 Kind.-Prim. Music	3		<hr/> 14
E401 American Literature	3		
Ed411 Ed. Measurement	2		
BS421 Field Biology	2		
Elective	3		
	<hr/> 16		

ELEMENTARY CURRICULUM

FIRST YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
E101 English Composition	3	E102 English Composition	3
E103 Effective Speech	2	H102 Personal Health	2
H101 Western Civilization	3	H102 Western Civilization	3
PhEd101 Physical Education	0	PhEd102 Physical Education	0
P101 General Psychology	3	Pi02 Ed. Psychology	3
S101 Physical Sciences	3	PS102 Physical Sciences	3
Elective	3	Elective	3
	<hr/> 17		<hr/> 17

SECOND YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
P201 Child Development	2	A202 Art Appreciation	3
E201 Maj. Br. Writers I	3	E202 Maj. Br. Writers II	3
H201 Am. Hist. & Govt. I	3	H202 Am. Hist. & Govt. II	3
Ms201 Music Appreciation	3	PhEd202 Recreation & Leadership	1
PhEd201 Aquatics	0	BS202 Biology	3
BS201 Biology	3	Elective	3
Elective	3		<hr/> 16
	<hr/> 17		

THIRD YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
A325 Art for Elem. Sch.	3	A326 Arts & Crafts	1
Ed321 Communicative Arts	2	Ed322 Communicative Arts	2
Ed323 Principles & Methods of Teaching	2	Ed324 Social Studies Methods	2
M305 Basic Math.	3	Ed326 Science Methods	2
PhEd321 Physical Education	1	E322 Children's Lit.	2
G301 Geography	3	FA302 First Aid	1
Elective	3	G302 Geography	3
	<hr/> 17	M326 Math. for Elem. Teachers	2
		Elective	3
			<hr/> 18

FOURTH YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ed400 Student Teaching and Seminar	14	Phil401 General Philosophy	3
	<hr/> 14	Ed422 Educational Measurement	2
		E401 Am. Lit.	3
		Ms422 Music for Elem. Grades	3
		BS422 Field Biology	2
		Elective	3
			<hr/> 16

INDUSTRIAL ARTS CURRICULUM

FOURTH YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
A461 Design	3	Soc401 Sociology	3
H461 U.S. History & Govt. I	3	Ms462 Music Appreciation	3
E401 American Literature	3	H462 U.S. History & Govt. II	3
IA463 Woodworking	3	Phil401 General Philosophy	3
IA465 Printing	1½	IA464 Woodworking	3
IA467 Electricity	1½	IA466 Printing	1½
	—	IA468 Electricity	1½
	15		—
			18

SECONDARY CURRICULUM

B.S. in Education

FIRST YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
E101 English Composition	3	E102 English Composition	3
E103 Effective Speech	2	H1102 Personal Health	2
H101 Western Civilization	3	H102 Western Civilization	3
PhEd101 Physical Education	0	PhEd102 Physical Education	0
S101 Physical Sciences	3	PS102 Physical Sciences	3
P101 General Psychology	3	P102 Ed. Psychology	3
Elective	3	Elective	3
	—		—
	17		17

SECOND YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
A201 Art Appreciation	3	Ms201 Music Appreciation	3
E201 Maj. Br. Writers I	3	P231 Adolescent Psychology	2
H201 Am. Hist. & Govt. I	3	E202 Maj. Br. Writers II	3
PhEd201 Aquatics	0	H202 Am. Hist. & Govt. II	3
BS201 Biology	3	BS202 Biology	3
Elective	3	PhEd202 Recreation and Leadership	1
	—	Elective	6
	15		—
			18

THIRD YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ed337 Hist. & Pr. Sec. Ed.	3	FA302 First Aid	1
Ed332 Teaching Procedures	3	Ed336 Subj. Methods	3
Plus: Six Sem. Hrs. in Major Field from Electives listed below:		Ed334 Curr. of Sec. School	2
(E331 Am. Lit. I required of English Majors)	9	Plus: Six Sem. Hrs. in Major Field from Electives listed below:	
	—	(E332 Am. Lit. II required of English Majors)	12
	15		—
			18

FOURTH YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ed430 Student Teaching	7	Fifteen Sem. Hrs. in	
Ed431 Tests & Measurements	3	in Free Elective	15
Phil401 General Philosophy	3		—
E401 Am. Lit. (Required for non-English Majors)	3		15
E433 Lang. Structure (Required for English Majors)	—		
	16		

A.B. Curriculum (within Teacher Preparation Program)

Each candidate for the A.B. degree must complete at least twenty-four semester hours beyond general education in a major academic field and at least twenty-four semester hours in secondary education under faculty guidance.

Fields:

- | | |
|----------------|-------------------|
| 1. English | 4. French |
| 2. History | 5. Spanish |
| 3. Mathematics | 6. Math.-Gen. Sc. |

FIRST YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
E101 English Composition	3	E102 English Comp. II	3
E103 Effective Speech	2	HL102 Per. Health	2
H101 West. Civ. I	3	H102 West. Civ. II	3
PhEd101 Physical Education	0	PhEd102 Physical Education	0
PS101 Physical Science I	3	PS102 Physical Science II	3
Choice of:		Choice of:	
F103 Interim. Fr. I		F104 Interim. Fr. II	
F105 Fr. Reading Comp. I		F106 Fr. Reading Comp. II	
Sp103 Elem. Sp. I		Sp104 Elem. Sp. II	
Sp105 Sp. Reading & Comp. I		Sp106 Sp. Read. & Comp. II	
R103 Elem. Russian I	3	R104 Elem. Russian II	3
And:		And:	
M103 College Algebra		M104 Trigonometry	
M105 Analytic Geom.		M106 Calculus I	
M305 Basic Math.	3	Free Elective	3
	17		17

SECOND YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
P101 Gen. Psych.	3	P231 Adol. Psych.	3
E201 Maj. Br. Writers I	3	E202 Maj. Br. Writers II	3
H201 American History I	3	H202 American History II	3
BS201 Biology I	3	BS202 Biology II	3
PhEd201 Aquatics	0	Choice of:	
Choice of:		Fr202 Fr. Lit. 17th Cent.	
Fr201 Fr. Lit. Mid Ages & Ren.		Sp202 Sp. Lit. 19th Cent.	
Sp201 Sp. Lit. 18th Cen.		R202 Interim. Russian II	3
R201 Interim. Russian I	3	And:	
And:		M202 Calculus IIB	
M201 Calculus IIA		Free Elective	3
Free Elective	3		—
	18		18

THIRD YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ed337 Hist. & Pr. Sec. Ed.	3	FA302 First Aid	1
Ed332 Teaching Procedures	3	Ed336 Subj. Methods	3
A201 Art Appreciation	3	Ed334 Curr. of Sec. Sch.	2
Plus: Six Sem. Hrs. in Major field from Electives listed below:		MS202 Music Appr.	3
(E331 Am. Lit. I required of English Majors)	6	Plus: Six Sem. Hrs. in Major Field from Electives listed below:	
	<hr/> 15	(E332 Am. Lit. II required of English Majors)	6
			<hr/> 15

FOURTH YEAR

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Ed430 Student Teaching	7	Fifteen Sem. Hrs. in	
Ed431 Tests & Measurements	3	Free Elective	15
Phil401 General Philosophy	3		<hr/> 15
E401 Am. Lit. (Required for non-English Majors)			
	<hr/> 16		

GRADUATE SCHOOL**Elementary Curriculum**

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
<i>Elementary School</i>		<i>Third Quarter</i>	
Ed521 Materials and Methods	10	Ed525 Philosophy of Education	3
Ed522 Educational Psychology	3	Ed501 Thesis	3
Ed505 Research Methods	2	Ed523 Educational Measurement	2
	<hr/> 15	E521 Children's Literature	2
		<i>Fourth Quarter</i>	
		Ed527 Student Teaching and Seminar	7
			<hr/> 17

Secondary Curriculum

<i>First Semester</i>	<i>Sem. Hrs.</i>	<i>Second Semester</i>	<i>Sem. Hrs.</i>
Major Field I	3	<i>Third Quarter</i>	
Major Methods	2	Major Field II	2
Ed533 Secondary Adm.	3	Minor I	2
P501 Psychology I	3	P502 Psychology II	2
Phil531 Philosophy I	3	Phil532 Philosophy II	2
Ed505 Research	2	Ed501 Thesis	2
	<hr/> 16	<i>Fourth Quarter</i>	
		Ed500 Teaching and Seminar*	7
			<hr/> 17

*250 Clock hours of Practice Teaching.

Note: For Major and Minor Fields in the Secondary Curriculum see page 20.

ELECTIVES

- A101-102 Drawing & Painting I
 A203-204 Drawing & Painting II
 A301-302 Drawing & Painting III
 A401 Drawing & Painting IV
 BS402 Biological Practices
 BS422 Nat. Hist. of Boston Area
 E301-302 Shakespeare
 E303-304 Romantic Movement
 E305-306 19th Cent. Prose
 E307-308 Modern Drama
 E402 Age of Johnson
 E404 Victorian Poetry
 E406 The Modern Novel
 E408 Hawthorne, Melville, & James
 F103-104 Intermediate French
 F105-106 French Reading & Comp.
 F201 Fr. Lit. Mid. Ages & Ren.
 F202 Fr. Lit. 17th Cen.
 F301 Fr. Lit. 1700-1815
 F302 Fr. Lit. 1815-1870
 F304 Fr. Comp. & Conversation
 F306 Fr. Civilization
 F402 Modern Fr. Prose
 F406 French Drama
 F408 French Poetry
 F410 Advance Fr. Comp.
 Sp103-104 Elementary Spanish
 Sp105-106 Sp. Reading & Comp.
 Sp201 Sp. Lit. 18th Cen.
 Sp202 Sp. Lit. 19th Cen.
 Sp203-204 Intermediate Spanish
 Sp301 Sp. Lit. to Cervantes
 Sp302 Golden Age of Sp. Lit.
 Sp304 Spanish Comp.
 Sp305 Hispanic Civilization
 Sp403 Contemp. Sp. Prose
 Sp406 Spanish Drama
 R103-104 Elem. Russian
 R201-202 Intermediate Russian
 G301 Physical Geography
 G302 Human Geography
 G303-304 Regional Geography
 G401 Political Geography
 G402 World Ec. Geography
 G408 Adv. Physical Geography
 H103 Am. Government
 H203 English Hist. to 1689
 H204 English Hist. from 1689
 H301 Europe in 19th-Cen.
 H302 Europe in the 20th Cen.
 H303 Pr. of Economics
 H304 Comp. Economics
 H305 Ec. Hist. U. S. to 1865
 H306 Ec. Hist. U. S. since 1865
 H307 History of Greece
 H308 History of Rome
 H402 International Relations
 H404 Massachusetts Government
 H406 Soc. & Cultural Hist. U. S. in 20th Cen.
 H421 Ed. for Citizenship
 M103 College Algebra
 M104 Trigonometry
 M105 Analytic Geometry
 M106 Calculus I
 M201 Calculus IIA
 M202 Calculus IIB
 M301 Calculus IIIA
 M302 Calculus IIIB
 M306 Modern Geometry
 M402 Mathematical Statistics
 M404 Mathematics of Finance
 M406 Higher Algebra
 M408 Mathematical Thought
 M409 Differential Equations
 Ms101 Music IA
 Ms102 Music IB
 Ms203 Music IIA
 Ms204 Music IIB
 Ms301 Music IIIA
 Ms302 Music IIIB
 Ms402 Music IV
 Phil402 Logic
 PhEd401M Coaching Major Sports
 PhEd401W Coaching and Officiating
 PS203 College Chemistry I
 PS204 College Chemistry II
 PS301 College Physics I
 PS302 College Physics II
 PS402 Nuclear Physics
 Soc 401 Sociology

DESCRIPTION OF COURSES

ART

A101.—Introduction to Drawing and Painting I. Elective for Freshmen. The first half of the year shall include a study of the elements of art, the laws of perspective and basic lettering. Three hours a week. Three semester hours.

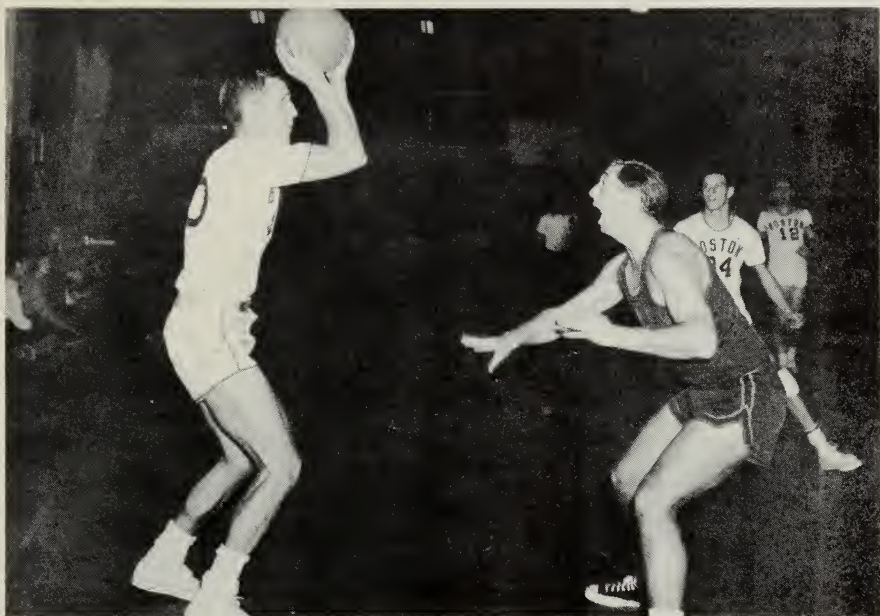
A102.—Drawing and Painting I. The second semester stresses the study of values, the elements of design, figure drawing and pen and ink techniques. In all of the above studies the student will be encouraged in his development of creative design and individual style through the use of many media; i.e., water color, poster paints, pen and ink, crayons, charcoal and colored construction paper. Three hours a week. Three semester hours.

A201.—Art Appreciation. Required of Sophomores. This course introduces the student to the study of aesthetics and philosophy of art; analysis of important and influential works produced on the subject. It begins with a discussion of the fundamental ideas underlying all artistic activity and means of analyzing works of art. The major portion of the term is devoted to investigation of significant styles and of outstanding creations of the art of each important period, from prehistoric times to the present, and from the standpoint of purpose, form, content, and technique. Illustrated lectures are supplemented by assigned readings in the history and criticism of art and by visits to the museums and collections in the vicinity of the college. Three hours a week, either semester. Three semester hours.

A203.—Drawing and Painting II. Elective for Sophomores. A101 and A102 are prerequisites. This course develops further the subjects outlined in the following: Analysis of the painting of textures, study of the painting of textures, study of the painting styles of contemporary masters, use of color to create mood and feeling, creation of the illusion of space on a two-dimensional surface and figure drawing employing advanced technique and media. Three semester hours.

A204.—Drawing and Painting II. A101 and A102 are prerequisites. The second semester shall include block printing, painting from still life, advanced water-color painting and group work layout design and mural. Three hours a week. Three semester hours.





A301.—Drawing and Painting III. Elective for Juniors. A203 and A204 are prerequisites. This course consists of the further development of media and techniques outlined in the following: First semester. The study of story illustration, creative lettering, poster design and abstract and non-objective painting. Three hours a week. Three semester hours.

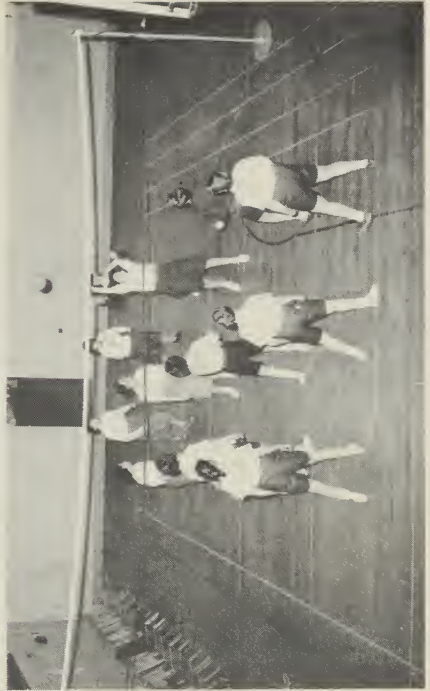
A302.—Drawing and Painting III. A201 and A202 are prerequisites. Second semester. Introduction to oil painting, and ceramics. The basic techniques and media employed in two approaches will be explored. Three semester hours.

A315.—Art for the Kindergarten-Primary Level. Required of Juniors who have elected the Kindergarten-Primary curriculum. A study of the current objectives of art educators and its foundations, and their application to the grade levels concerned within this course. Analysis of stages of progress in the visual expression of the very young child. An inquiry into the contemporary theories of art and art education. Introduction to creative research in order to design and develop projects for teaching art. Three class meetings a week, either semester. Three semester hours.

A316.—Arts and Crafts. Required of Juniors who have elected the Kindergarten-Primary curriculum. A studio course whose aim is to give a working knowledge of the basic techniques in two and three dimensional art deemed essential to the kindergarten-primary levels. It consists of working with the following media and techniques: clay, modeling, paper and box sculpture, crayon resist painting, papier mache, weaving, stitching, vegetable printing, stencil, scrap material project and elementary graphic printing, collage, and others used in these grades. Two hours a week, either semester. One semester hour.

A325.—Art for the Elementary School. Required of Juniors who have elected the Elementary Curriculum. An introduction to various philosophies of art education, past and present. This course is designed to acquaint future teachers with the wide scope in the various areas of child growth and development as related to their art. Included will be research, experiments in the use of materials, experience in various forms of visual expressions, design and its application and methods of teaching art creatively. Three class meetings a week, either semester. Three semester hours.

A326.—Arts and Crafts. Required of Juniors who have elected the Elementary Curriculum. A workshop course designed to introduce the student to the wide variety of media and materials, and the use of these in two and three dimensional art projects. Media includes: paper, cardboard, clay, soap, plaster, ink, crayon, and



tempera paint. Projects include paper sculpture, bookbinding, mobile, collage, papier mache, modeling, sculpture, block printing, stencil and others used in the crafts activities of the elementary school. Experience in these areas will equip the student for exploration in other areas of art experiences. Two hours a week, either semester. One semester hour.

A361.—Fundamentals of Art. Required of Juniors of the Industrial Arts division. A general introduction to the appreciation of art from the point of view architecture, sculpture, and painting with an emphasis on the minor arts where the stress will be on furniture and the decorative arts. Investigation of works of art from ancient to modern times will be discussed from point of view of origin of design, materials, and their use. Lectures are illustrated and supplemented by assigned readings and visits to museums and galleries in the vicinity of the college. An illustrated notebook is required. First semester, three hours a week.

Three semester hours.

A401.—Drawing and Painting IV. A301 and A302 are prerequisites. Elective for Seniors who have completed all of the above Art Elective courses. Continuation of ceramics employing advanced techniques; oil, gouache, polymer tempera, egg tempera and casein. Three hours a week, either semester. Three semester hours.

A461.—Design. Required of all Seniors in the Industrial Arts program. This course is designed to acquaint students with the principles and elements of design as related to handicraft and machine made products. Problems in original design and renderings in pencil, water-color and tempera paints, plus a workshop to experiment in various materials will also be experienced. Projects will consist of two and three dimensional designs. Four hours a week, first semester. Three semester hours.

BIOLOGICAL SCIENCES

BS201.—Biological Science. Required of Sophomores. The course introduces the student to the principles and problems basic to an understanding of life processes. The greater emphasis is placed upon plant life. Lectures and discussions, including the historical development of biological knowledge, are planned to broaden the concepts obtained from laboratory work. Current biology in the news of the day is stressed. One lecture, one discussion period, and two hours of laboratory work a week. Three semester hours.

BS202.—Biological Science. Required of Sophomores. The course is closely integrated with and developed upon the course given in the first semester which is a prerequisite. Here the emphasis is upon animal life. Application is made of the major principles with emphasis on man and his biological problems. Lectures, demonstrations, laboratory work, field work, and readings will be used. Four hours a week. Three semester hours.

BS402.—Biological Practices and Techniques. Elective for Seniors. Designed for students who are preparing to teach science on the secondary level. The aim of the course is to introduce the student to scientific techniques used in biological studies. Opportunity will be given for collecting and processing specimens from various habitats. Methods of culturing algae and protozoa will be a subject of experimentation. Stress will be placed on the maintenance of living forms in the laboratory. BS201 and BS202 are prerequisites. Three semester hours.

BS421.—Field Biology for the Elementary Grades. Required of Seniors in the Kindergarten and Elementary curricula. The aim of this course is to learn, through study and performance, nature activities which can be successfully carried out in the elementary grades. Emphasis is placed on the study of living things of the every day environment. Conservation of natural resources, especially wild life, is stressed. Attention is given to the use of audio-visual aids. Class management, lesson planning, and methods of testing are included in the course. Two hours a week, either semester. Two semester hours.

BS422.—Natural History of the Boston Area. Elective for Juniors and Seniors in Secondary Education. A basic study of certain creatures of the natural and native environment in order to acquaint the student with the world of nature around him. Three hours a week, second semester. Three semester hours.

BS536.—Biological Science for Secondary School. Elective as a minor for graduate students who are preparing to teach at the junior high school level. The student is given an intensive review of biological principles with special application to practical biological problems. Attention is given to the development of demonstration and laboratory techniques as well as to sources of living materials. Four class hours a week during the third quarter. Two semester hours.

EDUCATION

Ed311.—Communicative Arts, Reading. Required of Juniors who elected the Kindergarten-Primary curriculum. A study is made of the basic principles, pertinent techniques, and research relating to

the fundamentals of the teaching of reading at the Primary level. Curriculum guides, basal reading systems, reading tests, and visual aids are examined. Three hours a week, first semester.

Two semester hours.

Ed312.—Communicative Arts, Language. Required of Juniors who elected the Kindergarten-Primary curriculum. The language course deals with a study of language development, language experiences and techniques for language teaching at the Primary level. The techniques of handwriting and spelling are included in the study of written communication. Three hours a week, second semester.

Two semester hours.

Ed313-314.—Kindergarten-Primary Principles. Required of Juniors who have elected the Kindergarten-Primary curriculum. This course presents techniques of teaching in the Kindergarten and Primary Grades. Observation and participation in classroom situations in the laboratory school are provided. Two class hours a week throughout the year.

Four semester hours.

Ed321.—Communicative Arts, Reading. Required of Juniors who elected the Elementary curriculum. A study is made of the nature of the reading process, the history and the development phases of the reading program, and the principles for effective teaching of reading. A survey is made of curriculum materials and basal reading series currently employed in the elementary schools. Three hours a week, first semester.

Two semester hours.

Ed322.—Communicative Arts, Language. Required of Juniors who elected the Elementary curriculum. The language course deals with the sequences of language development, the types of language experiences, and specific techniques for teaching language, handwriting, and spelling at the primary and upper elementary level. Three hours a week, second semester.

Two semester hours.

Ed323.—Principles and Current Techniques of Teaching. Required of Juniors who elected the Elementary Curriculum. This course includes a study of the teaching-learning process, desired learning outcomes, and the guiding principles for effective planning and teaching in the elementary school. Two class hours per week, first semester. In addition there will be ample opportunities to observe and participate in the classrooms of the laboratory school.

Two semester hours.

Ed324.—Social Studies Methods. Required of Juniors who have elected the Elementary Curriculum. An examination of the methods and materials basic to carrying on a program in social studies in the elementary grades. Two hours a week, second semester.

Two semester hours.

Ed326.—Science Methods. Required of Juniors who have elected the Elementary Curriculum. This course is concerned with the methods and materials utilized in developing a sound program of science instruction in the elementary grades. Two hours a week, second semester
Two semester hours.

Ed334.—Curriculum of the Secondary School. This course is required of Juniors in the Secondary Education Program. Among the major topics to be covered in this course are the following: horizontal and vertical patterns of organization; criteria for curriculum evaluation; applications to modern curriculum guides; trends in curriculum development, such as life-adjustment education, cooperative education, team-teaching, and summer-school programs. Two hours a week, second semester. Two semester hours.

Ed333.—Procedures for Teaching in the Secondary School. Required of Juniors in the Secondary Education curriculum. This course includes a study of the nature and the developmental tasks of the adolescent; the role of the teacher in establishing a favorable setting for learning; routines and procedures for class organization; the handling of discipline; planning for unit and daily teaching; individual and group methods of instruction; evaluative techniques; and the guidance responsibilities of the teacher. A series of observations will be made in the laboratory school and in secondary schools of neighboring communities. Three hours a week, first semester.
Three semester hours.

Ed336-E.—Methods of Teaching English in the Secondary School. Required of Juniors majoring in English in the Secondary School Curriculum. This course includes a consideration of the aims and principles involved in the teaching of grammar, composition, and literature. Classroom experiences are provided at the laboratory school. Three hours a week, second semester.
Three semester hours

Ed336-L.—Methods of Teaching Modern Languages in the Secondary School. Required of Juniors majoring in French or Spanish in the Secondary School Curriculum. This course includes a consideration of the principles of language learning along with the methods and materials for teaching modern languages. Classroom experiences are provided. Three hours a week, second semester.
Three semester hours.

Ed336-H.—Methods of Teaching Social Studies in the Secondary School. Required of Juniors majoring in Social Studies in the Secondary School Curriculum. This course includes a consideration of the aims and principles involved in the teaching of History,

Geography, Government, Economics, and Problems of Democracy. Classroom experiences are provided at the laboratory school. Three hours a week, second semester. Three semester hours.

Ed336-M.—Methods of Teaching Mathematics in the Secondary School. Required of Juniors majoring in Mathematics in the Secondary School Curriculum. This course includes a consideration of the aims and principles involved in the teaching of Mathematics. Classroom experiences are provided at the laboratory school. M335 is a prerequisite. Three hours a week, second semester. Three semester hours.

Ed336-PS.—Methods of Teaching Science in the Secondary School. Required of Juniors majoring in Science in the Secondary School Curriculum. This course includes a consideration of the aims and principles involved in the teaching of astronomy, biology, chemistry, geology, and physics. Classroom experiences at the laboratory school are provided. Three hours a week, second semester. Three semester hours.

Ed337.—History and Principles of Secondary Education. This course is required of all Juniors in the Secondary Education Program. It will examine the historical foundations of secondary education in the United States with its particular reference to early and contemporary European schools. The principles of secondary education are based on the aims and purposes of our schools and their necessary articulation with elementary and higher education. Topics to be covered in this course include a history of early secondary education in America and Europe, purposes of our schools, leaders in the profession, the development of local, state and federal responsibilities, legal statutes, comparative and contemporary problems in education. Three hours a week, first semester. Three semester hours.

Ed360.—Observation and Practice Teaching. During the second semester of the Junior year Industrial Arts students are placed in the Secondary Schools of the city of Boston to teach industrial arts under the supervision of skilled teachers. Each student is assigned to four shops where woodworking, sheet metal working, printing, and electricity are taught, in each of which he spends approximately the same amount of time. Supervision is constant. The supervisor offers constructive criticism and through weekly conferences helps the student to realize his teaching potentialities. Twelve semester hours.

Ed400.—Student Teaching and Seminar. Required of Seniors in Kindergarten-Primary and Elementary courses. A laboratory

course of sixteen weeks duration providing full-time student teaching in public schools and affording many opportunities for application and extension of the understandings developed during the previous professional courses. The practice-teaching period is divided into two segments at differing instructional levels. Under the guidance of the regular classroom teacher and the college supervisor, the student is expected to assume an increasing responsibility for the total teaching-learning situation. One day each week the student teachers return to campus for the Seminar which provides opportunities for meeting and solving individual and group problems arising from experiences in the classroom. In addition, the Seminar is concerned with topics such as professional ethics, school records, securing a teaching position, current trends in education, and in-service professional growth.

Fourteen semester hours.

Ed411.—Educational Measurement. Required of Seniors who have elected the Kindergarten-Primary Curriculum. The course includes a study of tests; the criteria and construction of standardized and informal tests, and the interpretation of tests results. Special emphasis is placed on tests used in the Kindergarten and the Primary Grades. Two hours a week, either semester. Two semester hours.

Ed422.—Educational Measurement. Required of Seniors who have elected the Elementary Curriculum. A survey of measurement and evaluation procedures as they apply to the day by day activities of the elementary school teacher. Two hours a week, either semester. Two semester hours.

Ed430.—Student Teaching and Seminar. Required of Seniors in the Secondary Curriculum. A laboratory course of eight weeks duration providing full-time student teaching in public secondary schools and affording opportunities for application and extension of the understandings developed during the previous professional courses. Under the guidance of the regular classroom teacher and the college supervisor, the student is expected to assume an increasing responsibility for the total teaching-learning situation. One day each week the student teachers return to campus for the Seminar which provides opportunities for meeting and solving individual and group problems arising from experiences in the classroom. In addition, the Seminar is concerned with topics such as professional ethics, school records, securing a teaching position, current trends in education, and in-service professional growth. Seven semester hours.

Ed431.—Tests and Measurement. Required of students studying secondary education. This course includes the development of measurement in education and the statistical analysis of test re-

sults. General principles of test construction as well as the construction of specific types of items are studied. Projects are originated for use in testing programs. Recent achievement and intelligence tests at the secondary level are examined, members of the class also assist in testing programs. Six hours a week, first quarter.
Three semester hours

Ed500.—Student Teaching and Seminar. Required of Graduate Students. A laboratory course of eight weeks duration providing full-time student teaching in public schools. This course is designed to give the graduate students a practical application of the principles developed in the previous professional courses. Each student is assigned to an experienced classroom teacher who guides and trains him for the eight weeks. A college supervisor visits him at least three times and coaches him in his work. One day each week the student teacher returns to campus for the Seminar at which individual and group problems are discussed.

Seven semester hours.

Ed501.—Thesis. Each graduate student must write a thesis of from ten thousand to twenty thousand words in length on a subject in his field.

Two semester hours.

Ed505.—Research. Practical training in the preparation of scholarly papers. The course will stress use of the scientific method in the gathering, selection, and evaluation of data; the correct technique for the presentation of evidence, including use of footnotes, and bibliographical material; and finally a synthesis of the data collected into an accurate and readable account of the subject investigated. Two hours a week, first semester.

Two semester hours.

Ed521.—Elementary School Methods and Materials. Required of graduate students who are preparing to teach in the elementary schools. A presentation of the various areas of the curriculum in a unified fashion. Specific attention will be given to the construction of the curriculum, techniques of teaching common to the several subject matter areas, materials and methods unique to the teaching of reading, language, arithmetic, social studies, science, art and music. Provision will be made for observation and limited practice teaching in the laboratory school. Eleven hours a week.

Ten semester hours.

Ed522.—Educational Psychology. A required course in the Graduate School. This course will include a systematic analysis of the major schools of psychology. Readings will be required in the following areas: heredity and environment; results of research on growth and development, theories of intelligence, individual differ-



ences in capacity and achievement, learning theory, emotional growth, needs and motivation, mental health, discipline, dynamics of interpersonal relationships and social psychology. Three hours a week, first semester. Three semester hours.

Ed523.—Educational Measurement. A survey of the nature of measurement and evaluation in relation to the process of teaching. The course will emphasize the construction of tests, the evaluation of standardized instruments and the statistical ideas and operations needed for proper interpretation and use of test results. Four hours a week, third quarter. Two semester hours.

Ed533.—Secondary Administration. Required of graduate students who are preparing to teach in secondary schools. Basic concepts in this course include: (1) the meaning of education in a democracy; (2) democracy in education, with special reference to individual differences in pupil capabilities and needs; (3) curriculum adaptations; (4) methods of teaching; (5) pupil organization for class instruction and co-curricular activities; (6) evaluation of pupil growth and development; (7) steps to be taken in the process of modernizing the school with special reference to organization and administration problems. Three hours a week, first semester. Three semester hours.

Ed536-E.—Methods of Teaching English. Secondary. Required of graduate students who are preparing to teach English at the secondary level. This course includes (1) a consideration of the aims and principles involved in the teaching of composition and literature; (2) the readings of representative texts and scientific studies; (3) the preparation and presentation of units of work meeting the needs of typical classroom situations. Two hours a week, first semester. Two semester hours.

Ed536-F.—Methods of Teaching French. Required of graduate students who are preparing to teach French in the secondary school. Modern theories on the teaching of foreign language. Subject matter and techniques in the teaching of French in Grades VII, VIII, and IX. Two hours a week, first semester. Two semester hours.

Ed536-Sp.—Methods of Teaching Spanish. Required of graduate students preparing to teach Spanish in secondary schools. The courses includes a study of modern theories of teaching foreign languages; subject matter, methods, and materials for Grades VII, VIII, and IX. Two hours a week, first semester. Two semester hours.

Ed536-H.—Methods in Secondary Social Studies. The development of the lesson plan and of various methods of teaching social studies are studies in this course. The course includes observation and teaching in a secondary school. Weekly reports are required. Two hours a week, first semester. Two semester hours.

Ed536-M.—Methods of Teaching Secondary School Mathematics. Required of graduate students who are preparing to teach in secondary schools. In this course instruction is given in methods of teaching mathematics in Grades VII-IX, including percentage, measurement, and elementary algebra. Demonstration lessons are a part of the course. Two hours a week, first semester. Two semester hours.

Ed536-PS.—The Teaching of General Science. Required of graduate students who are preparing to teach science at the secondary school level. Representative topics to be treated include the techniques of demonstration, the selection and use of reference material and test material, class projects and the maintenance and procurement of science supplies. Directed discussion and individual project work. Two hours a week, first semester. Two semester hours.

ENGLISH

E101-102.—English Composition. Required of Freshmen. The course includes a review of formal grammar, training in sentence structure and paragraph development, and instruction in the writing of expository themes. Assigned readings. Three hours a week, both semesters. Six semester hours.

E103.—Effective Speech. Required of Freshmen. The course has as its objectives developing effective voices in the students and preparing them to meet the demands of the speech situations which they will encounter in their professional lives. Two hours a week, either semester. Two semester hours.

E201.—Major British Writers I. Required of Sophomores. A study of major works by Chaucer, Spenser, Bacon, Shakespeare, Donne, Milton, Pope, and Swift. Three hours a week, first semester. Three semester hours.

E202.—Major British Writers II. Required of Sophomores. A study of major works by Johnson, Boswell, Wordsworth, Keats, Browning, Arnold, Shaw, Yeats, and Eliot. Three hours a week, second semester. Three semester hours.

E301.—Shakespeare I. The tragedies. Three hours a week, first semester. Three semester hours.

E302.—Shakespeare II. The comedies and historical plays. Three hours a week, second semester. Three semester hours.

E303.—The Romantic Movement. A study of the poetry of Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats. Three hours a week, first semester. Three semester hours.

E304.—Modern Poetry. A study of the poetic achievement of major poets, older as well as modern, who have broken with the traditional patterns of classicism and romanticism: Donne, Browning, Hopkins, Dickinson, Robertson, Eliot, and others. Three hours a week, second semester. Three semester hours.

E305.—Nineteenth Century Prose I. A study of the novels of Austen, Scott, and Dickens, and the major works of Carlyle, Macaulay, and Mill. Three hours a week, first semester. Three semester hours.

E306.—Nineteenth Century Prose II. A study of the novels of Thackeray, George Eliot, Meredith, and Hardy, and the major prose works of Newman, Arnold, Ruskin, Morris, and Pater. Three hours a week, second semester. Three semester hours.

E307.—Modern Drama I. A study of major modern dramatists and their work, starting with Ibsen. Three hours a week, first semester. Three semester hours.

E308.—Modern Drama II. A continuation of E307, with primary stress on more recent dramatists and trends in drama. E308 may be taken by students who have not taken E307, although E307 offers desirable preparation. Three hours a week, second semester. Three semester hours.

E321.—Literature for Children. Required of Juniors in the kindergarten-primary and elementary curricula. The aims of the course are to acquaint the students with the field of children's literature and to provide them with a standard of judgment for the evaluation of children's books. Two hours a week, either semester. Two semester hours.

E331.—American Literature I. Required of Juniors in the junior high school curriculum who are majoring in English. A study of American literature from Emerson to James. Three hours a week, first semester. Three semester hours.



E332.—American Literature II. A continuation of E331. A study of American literature from Mark Twain to Eliot. Three hours a week, second semester. Three semester hours.

E402.—The Age of Johnson. A study of major works of English literature written during the second half of the eighteenth century. Three hours a week, second semester. Three semester hours.

E404.—Victorian Poetry. A study of the poetry of Tennyson, Browning, Arnold, the Rossettis, Morris, Swinburne, Meredith, Hardy, and Hopkins. Three hours a week, second semester. Three semester hours.

E406.—The Modern Novel. The course includes an analysis of the novel as an art form, a survey of the novel in English and American literature, and the reading of ten notable modern novels. Three hours a week, either semester. Three semester hours.

E408.—Hawthorne, Melville, and James. A course of reading and discussion of the major works of these writers. Three hours a week, second semester. Three semester hours.

E421.—Major American Writers. Required of Seniors not majoring in English. A study of major figures in American literature. Three hours a week or its equivalent, either semester. Three semester hours.

E433.—The Structure of the English Language. A course in the grammatical, morphological, and syntactical structure of the English language. This course is required of English majors as a prerequisite for their student teaching. Three hours a week, one semester. Three semester hours.

E501.—Contemporary British and American Literature I. Required of graduate students majoring in English. A study of the contributions of present day writers in prose fiction and biography. Three hours a week, first semester. Three semester hours.

E502.—Contemporary British and American Literature II. Required of graduate students majoring in English. A study of the contributions of present day writers in drama and poetry. Four hours a week, third quarter. Two semester hours.

E521.—Children's Literature. Required of graduate students in the elementary curriculum. Two hours a week, first semester. Two semester hours.

FIRST AID

FA302.—First Aid and Safety. Required of Juniors. This course fulfills the requirements of the Standard and Advanced Red Cross First Aid Courses. It also includes specific instruction for health and safety in the over-all school situation. Two hours a week, either semester. Two semester hours.

FOREIGN LANGUAGES

French

F103.—Intermediate French I. Elective for students who have completed two years of high school French. The course includes a study of French pronunciation and grammar, oral and written exercises in composition, and the reading of short stories in French. Written summaries in French. Three hours a week, first semester. Three semester hours.

F104.—Intermediate French II.—Elective for students who have completed F103. This course continues the study of French grammar, oral and written exercises in composition, and includes the reading of novels and plays. Supplementary reading, with resumes in French. Three hours a week, second semester. Three semester hours.

F105.—French Reading and Composition I. Elective for students who have completed three or four years of high school French or who have completed F104. The course includes a practical study of French phonetics, the reading of modern French texts, and a study of French civilization. Supplementary readings in modern prose, with book reports written in French. Three hours a week, first semester. Three semester hours.

F106.—French Reading and Composition II. Elective for students who have completed F105. This course continues work in practical phonetics and French civilization. The reading program includes an introduction to the French theater and to French lyric poetry. Composition: exercises in free composition, constant oral and aural practice. Supplementary reading, with book reports written in French. Three hours a week, second semester. Three semester hours.

F201.—French Literature of the Middle Ages and the Renaissance. Elective for students who have completed F106. The course includes a survey of French literature from the *Chansons de Geste* through the sixteenth century. Lectures, collateral reading, intensive study of selected texts. Book reports in French. Composition and conversation. Three hours a week, first semester. Three semester hours.

F202.—French Literature of the Seventeenth Century. Elective for students who have completed F201. The course includes a study of the classical age with special emphasis given to the works of Corneille, Racine, and Moliere. Lectures, collateral reading, intensive study of selected texts. Book reports in French. Composition and conversation. Three hours a week, second semester.

Three semester hours.

F301.—French Literature, 1700-1815. Required of Juniors in the junior high school curriculum who are majoring in French. Elective for Elementary and Kindergarten students who have completed F202. The course includes a survey of French literature of the eighteenth century and the Napoleonic period. Lectures, collateral reading, analysis of selected texts. Composition: practical exercises in advanced grammar and syntax, book reports written in French. Three hours a week, first semester.

Three semester hours.

F302.—French Literature, 1815-1870. Required as a major of Juniors who are preparing to teach French at the junior high school level. Elective for Elementary and Kindergarten students who have completed F301. The course includes an intensive study of the literature of the Romantic period and the early years of the Realistic period. Lectures, collateral reading, explication de textes. Composition: book reports in French, exercises in translation of literary passages to and from French. Three hours a week, second semester.

Three semester hours.

F304.—French Composition and Conversation. Required of Juniors or Seniors who are preparing to teach French at the secondary level. Advanced exercises in oral and written composition, practice in the translation of literary passages to and from French. Three hours a week, first semester.

Three semester hours.

F306.—French Civilization. Required of Juniors or Seniors who are preparing to teach French at the junior high school level. The course includes the necessary background material in history, geography, social institutions and culture for the advanced student of French. The lectures and readings will be in French. Three hours a week, second semester.

Three semester hours.

F402.—Modern French Prose and Poetry. Required as a Major for Seniors who are preparing to teach French at the junior high school level. Elective for Elementary and Kindergarten students who have completed F302. The course includes a study of the

French novel and short story from 1850 to the twentieth century, and the reading of modern lyric poetry. The course will be conducted in French. Three hours a week, second semester.

Three semester hours.

F406.—French Drama. Required of Juniors or Seniors who are preparing to teach at the junior high school level. The course covers the development of French drama from Augier to World War I. Reading and discussion of representative plays. Written criticism and analysis. The course is conducted in French. Three hours a week, second semester.

Three semester hours.

F408.—Modern French Poetry. Elective for Seniors who are preparing to teach French at the secondary level. A study of French lyric poetry from 1850 to 1930. The class will be conducted in French. Three hours a week, second semester.

Three semester hours.

F410.—Advanced French Composition. A course in writing French, with attention to literary style. Original composition on topics of literary and cultural significance. Translation from English to French. Three hours a week, second semester.

Three semester hours.

F531.—Modern French Literature I. Required of Graduate students who have majored in French and who are preparing to teach French in the secondary school. Selected topics in French literature and civilization. Oral and written practice in the language based on this material, with phonetic study. Advanced composition and stylistics. Three hours a week, first semester.

Three semester hours.

F532.—Modern French Literature II. Required of Graduate students who have majored in French and who are preparing to teach French in the secondary school. Continues study of selected topics in French literature and civilization. Advanced studies in grammar with practical exercises in the translation of literary passages to and from French. Four hours a week, third quarter.

Two semester hours

F534.—French Drama. Elective as a Minor for Graduate students who are preparing to teach French in the secondary school. This course includes a survey of the French theater from Augier to the twentieth century, with readings from each period. Oral and written reports in French. Four hours a week, third quarter.

Two semester hours.

Spanish

Sp103.—Elementary Spanish I. Elective for Freshmen. The course covers the elements of Spanish grammar and pronunciation, and includes intensive study of a standard modern text. It aims to develop aural and oral power by constant practice in the use of the language, and by systematic vocabulary building. Three hours a week, first semester. Three semester hours.

Sp104.—Elementary Spanish II. Elective for students who have completed Sp103. The course continues the work of Sp103 in grammar and vocabulary building. It aims to develop reading ability by the reading of simple modern stories and plays for language assimilation. Three hours a week, second semester. Three semester hours.

Sp105.—Spanish Reading and Composition I. Elective for students who have completed three or four years of Spanish in high school. The course includes a study of Spanish pronunciation and the correction of individual defects; intensive reading of standard modern prose texts for language assimilation; supplementary reading with written summaries in Spanish; composition based on grammar review. Three hours a week, first semester. Three semester hours.

Sp106.—Spanish Reading and Composition II. Elective for students who have completed Sp105. The reading program includes an introduction to Spanish drama and lyric poetry; supplementary reading of texts of moderate difficulty, with written reports in Spanish; continued review of grammar; constant aural and oral practice. Three hours a week, second semester. Three semester hours.

Sp201.—Spanish Literature of the Eighteenth Century. Elective for students who have completed Sp106. The course includes a survey of Spanish literature of the eighteenth century. Lectures, collateral reading, reports in Spanish, explicacion de textos. Composition, oral and written, consisting of discussions and summaries of reading and lecture material. Three hours a week, first semester. Three semester hours.

Sp202.—Spanish Literature of the Nineteenth Century. Elective for students who have completed Sp 201. The course includes a study of the literature of the Romantic period and the beginning of the Realistic movement. It is conducted in Spanish, as in the first semester. The composition continues the oral and written work of Sp201, and includes grammar assimilation exercises. Three hours a week, second semester. Three semester hours.

Sp203.—Intermediate Spanish I. Elective for students who have completed Sp104. The course includes the reading of modern prose, a review of grammar, constant practice in hearing and speaking Spanish, written summaries and oral exercises based on the reading texts. Three hours a week, first semester.

Three semester hours.

Sp204.—Intermediate Spanish II. Elective for students who have completed Sp203. The course includes the reading of standard modern fiction and drama of moderate difficulty, with an introduction to lyric poetry. It continues the practice in hearing, speaking, and writing Spanish begun in Sp203. Three hours a week, second semester.

Three semester hours.

Sp301.—Spanish Literature to Cervantes. Required as a Major of Juniors who are preparing to teach Spanish at the junior high school level. Elective for Elementary and Kindergarten students who have completed Sp202. The course covers the history of Spanish literature from its Roman background to the end of the sixteenth century. Lectures, intensive reading of selected texts, collateral reading with discussion and reports in Spanish. Composition: free composition and exercises in translation. Three hours a week, first semester.

Three semester hours.

Sp302.—The Golden Age of Spanish Literature. The reading program covers the "Quijote", selected plays of Lope de Vega, Calderon and Alarcon, and representative poems of Fray Luis de Leon and San Juan de la Cruz. The composition, in Spanish, is based on the reading, and includes also some translation to and from Spanish. Three hours a week, second semester. Three semester hours.

Sp304.—Spanish Composition and Conversation. Required of Juniors who are preparing to teach Spanish at the junior high school level. Advanced exercises in oral and written composition. Translation of literary passages to and from Spanish. Three hours a week, first semester.

Three semester hours.

Sp305.—Hispanic Civilization. Required of students who are preparing to teach Spanish at the junior high school level. The course includes the necessary background material in history, geography, social institutions and culture for the advanced student of Spanish. The lectures and readings will be in Spanish. Three hours a week, second semester.

Three semester hours.

Sp402.—Contemporary Spanish Prose Literature. Required as a Major of Sniors who are preparing to teach Spanish at the junior high school level. Elective for Elementary and Kindergarten stu-

dents who have successfully completed Sp302. The course includes a study of the novel and short story in Spain from 1850 to the present. Lectures, intensive study of selected texts, supplementary reading with discussion and reports in Spanish. Three hours a week, second semester. Three semester hours.

Sp406.—Spanish Drama. Elective for Seniors preparing to teach Spanish at the Secondary School level. Elective for Elementary and Kindergarten Seniors who have completed Sp302. The course covers the history of Spanish drama from 1850 to 1930. This Course is conducted in Spanish. Three hours a week, second semester. Three semester hours.

Sp408.—Modern Spanish Poetry. Elective for Seniors who are preparing to teach Spanish at the secondary level. A study of Spanish lyric poetry from 1850 to 1930. The course will be conducted in Spanish. Three hours a week, second semester. Three semester hours.

Sp410.—Advanced Spanish Composition. Elective for Seniors who are preparing to teach Spanish at the secondary level. A course in writing Spanish. Original composition on topics of literary and cultural significance. Translation from English to Spanish. Three hours a week, second semester. Three semester hours.

Sp531.—Major Spanish Language and Literature I. Required of Graduate students who have majored in Spanish and who are preparing to teach Spanish in secondary school. The course includes a study of Spanish and Spanish-American civilization, fundamental principals of phonetics, and correction of defective pronunciation. Advanced study of topics in grammar and syntax. Three hours a week, first semester. Three semester hours.

Sp532.—Major Spanish Language and Literature II. Required of Graduate students who have completed Sp531. Studies in contemporary literature. Lectures, reading, and reports in Spanish. Free composition, oral and written; translation of literary passages to and from Spanish. Four hours a week, third quarter. Two semester hours.

Sp534.—Spanish Minor. Offered as a Minor for Graduate students. Readings in Spanish-American literature. Oral and written practice in the language. Listening exercises to correct individual defects in pronunciation. Four hours a week, third quarter. Two semester hours.

Russian

R103.—Elementary Russian I. The course covers the introduction to the Cyrillic alphabet and the elements of Russian pronunciation and grammar. It aims to develop aural and oral power by constant practice in the use of the language, by systematic vocabulary building and the assimilation of reading materials in easy Russian prose. Three hours a week, first semester.

Three semester hours.

R104.—Elementary Russian II. The course continues the study of Russian grammar and pronunciation and includes the intensive reading of short stories of the nineteenth and twentieth centuries. Constant aural and oral practice. Three hours a week, second semester.

Three semester hours.

R201.—Intermediate Russian I. The course includes a review of elementary Russian grammar and the intensive study of more difficult topics in grammar, oral and written exercises in composition and the reading of Russian prose of moderate difficulty. Simple summaries written in Russian. Constant aural and oral practice. Three hours a week, first semester.

Three semester hours.

R202.—Intermediate Russian II. The course continues the work in Russian grammar and includes the reading of Russian plays of moderate difficulty. Oral and written exercises in composition. Constant aural and oral practice. Three hours a week, second semester.

Three semester hours.

GEOGRAPHY

G301.—Principles of Physical Geography. Required of Juniors and elective for Sophomores. The purpose of this course is to develop an awareness, understanding and appreciation of the elements of man's natural environment. The study includes such physical factors as location, weather and climate, ocean currents, land forms, and natural resources of the earth. The utilization of the tools of geography will be stressed throughout the course. First semester.

Three semester hours.

G302.—Principles of Human Geography. Required of Juniors and elective for Sophomores. The purpose of this course is to develop an understanding of the relationship that exists between the natural and the cultural environment and the resultant effect upon man's activities. The study includes such cultural elements as

population distribution, occupational activities, natural resource utilization and man's extra-territorial relations. Second semester.
Three semester hours.

G303.—Regional Geography of Anglo-America. This course is a regional study of the physical, cultural, political, and economic environment of the peoples of Anglo-America. The study will stress relationships that exist between these regions and other important world areas. First semester. Three semester hours.

G304.—Regional Geography of Latin America. A regional study of Middle America and South America. Emphasis is upon the physical environment and the cultural, economic, and political conditions that exist and are in the process of development. The study will stress the relationships that exist between regional Latin America and other regions of the world. Second semester.
Three semester hours.

G402.—World Economic Geography. This course explores the relationships that exist between the physical environment and human activities. The geography of commerce, industry, agriculture, natural resources, and conservation will be presented by utilizing selected regions for study. Second semester.
Three semester hours.



G408.—Advanced Physical Geography. An advanced physical geography course to explain the interrelationships which exist between the atmosphere, lithosphere, hydrosphere and man. Rock and mineral specimens, topographical maps, plastic models, weather maps, and instruments will be used throughout the course to help clarify the students' concepts. This course may be offered for credit in the social science field or in the physical science field. Second semester. Three semester hours.

G532.—Principles of Economic Geography. Required as a minor of graduate students majoring in history and planning to teach in secondary schools and elective for other graduate students preparing to teach in secondary schools. This course considers the principles of human geography as a basis for the study of the political and economic geography of the United States and selected regions of the world. Four hours a week, third quarter. Two semester hours.

HEALTH EDUCATION

H102.—Personal and Community Health. Required of Freshmen and all others who have not had a parallel course. A knowledge of the anatomy necessary to understand human physiology is provided. Healthful living with special attention to nutritional problems both from the point of view of individual and community needs is stressed. Two hours a week, either semester. Two semester hours.

HISTORY

H101.—Western Civilization I. Required of Freshmen. After a brief introduction of the river civilizations, a more intensive survey of Western Civilization will start with the Age of Pericles. Special emphasis will be placed upon the cultural, economic, and political forces in the early growth of our culture. This course will terminate at 1603. Three hours a week, first semester. Three semester hours.

H102.—Western Civilization II. Required of Freshmen. This course will stress the following major movements of the modern age: Absolutism, the rise of parliamentary democracy, the enlightenment, the causes and course of the French Revolution, the "old" and "new" imperialism, the Age of Reaction, the industrial revolution, the ideological forces of the nineteenth and twentieth centuries and the impacts they made on Western Culture. Three hours a week, second semester. Three semester hours.

H103.—American Government. An analysis of the structure and operation of the government of the United States. This course includes a study of the growth of the Constitution; the functioning of the executive, legislative, and judicial branches; the role of political parties; and the significance of the democratic heritage. Three hours a week, first semester. Three semester hours.

H104.—Comparative Government. A comparative study of the governments of Great Britain, Italy, France, Germany, and Soviet Russia. The structure and operation of each of these governments will be analyzed in the light of its historical background. Three hours a week, second semester. Three semester hours.

H201.—American History to 1865. Required of Sophomores. This course is an interpretation of American history from 1492 to 1865, and an analysis of American political customs and institutions with emphasis on the Federal and Massachusetts constitutions. Three hours a week, first semester. Three semester hours.

H202.—American History from 1865. Required of Sophomores. A study of political, economic and social changes from 1865 to the present. Three hours a week, second semester. Three semester hours.

H203.—History of England to 1689. Elective for Sophomores. A survey course in English History from the Roman occupation to the Glorious Revolution of 1689. Special emphasis will be placed on the fusion of Saxon and Norman cultures, the growth of common law, the effects of the Reformation and the emergence of the supremacy of Parliament. Three hours a week, first semester. Three semester hours.

H204.—History of England from 1689. Elective for Sophomores. A continuation of H203. This course will stress the evolution of the British system of Cabinet government, the rise of the British Empire, the influence of English thought on America, and the rise of Great Britain in the modern world. Three hours a week, second semester. Three semester hours.

H205.—History of Latin America I (to 1825). Elective for Sophomores and Juniors. This course will include a study of the aboriginal American, and also the European background, colonization, and the economic and cultural development of the Latin American Colonies through the independence movement. Three hours a week, first semester. Three semester hours.

H206.—History of Latin America II (1825 to the present). Elective for Sophomores and Juniors. The development of the Latin American republics and their changing roles in inter-American and world affairs will be studied. Three hours a week, second semester. Three semester hours.

H301.—Europe in the Nineteenth Century. An elective for Juniors. After an introduction to the main forces underlying this century, the various national histories will be discussed. Special attention to be given to economic, social, and cultural factors. Three hours a week, first semester. Three semester hours.

H302.—Europe in the Twentieth Century. An elective for Juniors. A study of the political, social, economic, and cultural aspects of life in Europe in the twentieth century. The causes, course, and results of the two World Wars, Fascist Spain and Italy, Nazi Germany, revolutionary Russia, and the Atlantic democracies will be stressed. Three hours a week, second semester. Three semester hours.

H303.—Principles of Economics. An elective for Sophomores and Juniors. This introductory course will analyze the basic principles and practices of contemporary capitalism in the United States, such as business and labor organization, supply and demand, personal finance, and Government influences, including a survey of central economic ideas since Adam Smith. Three hours a week, first semester. Three semester hours.

H304.—Advanced Principles of Economics. An elective for Sophomores and Juniors, continuing H303. This course proceeds to a study of money and banking, business cycles, monetary and fiscal policies, international trade and finance, and such current economic problems growth, affluence, and stability. Three hours a week, second semester. Three semester hours.

H307.—History of Greece. A elective for Juniors. This course covers the history of Greece from the twelfth century B.C. to the Roman occupation. Three hours a week, first semester. Three semester hours.

H308.—History of Rome. An elective for Juniors. This course covers the history of Rome from the 5th century B.C. to its fall in A.D. 476. Three hours a week, second semester. Three semester hours.

H402.—International Relations. An elective for Seniors. An introduction to the elements for national power, and the principles of international affairs applied to events in Asia, Europe, and North

America. The period after World War II will be given special attention. Three hours a week, either semester.

Three semester hours.

H403.—Comparative Economics. An elective for Juniors and/or Seniors. The theory, structure, practice, and problems of major foreign economic systems will be analyzed and compared, with emphasis on Great Britain, the USSR, and the under-developed nations, and on their differing answers to the basic economic questions. Three hours a week, either semester.

Three semester hours.

H404.—Massachusetts Government. An elective for Seniors. An intensive study of the State Constitution, the functions and services of the administrative departments of the state government, and county, town and municipal government in Massachusetts. Three hours a week; one semester.

Three semester hours.

H406.—Social and Cultural History of the United States in the Twentieth Century. A study of the transition of the United States from a rural, agrarian society to an urban industrialized society and its impact on the social, cultural and intellectual life of the people. Three hours a week, second semester.

Three semester hours.

H408.—History of Modern Russia. Elective for Seniors who are History Majors. After a substantial introduction to the major forces underlying Russian historical development, an intensive study will be made of the rise of Russia as a world power from the time of Alexander II down to the present. Cultural, intellectual, and economic changes will be emphasized. Three hours a week, second semester.

Three semester hours.

H421.—Education for Citizenship. Elective for Seniors. A course designed to enable teachers to educate for democracy with a clearer, stronger purpose. The course will suggest teaching materials and methods, student activities, and administrative and supervisory procedures which are directed toward more adequate preparation of students for the duties of citizenship. Effective school and community practices for increasing observance of law, intergroup good will, and political interest and intelligence will be stressed. Three hours a week, one semester.

Three semester hours.

H461.—American History and Government I. Required of Seniors in the Industrial Arts Curriculum. This is a survey of American History from 1492 to 1865. Emphasis will be placed on the growth

of the democratic institution before the Civil War. Three hours a week, first semester.

H462.—American History and Government II. Required of Seniors in the Industrial Arts Curriculum. This Course deals with the Reconstruction following the Civil War. The industrialization and urbanization of the American Society will then be stressed. Three hours a week, second semester. Three semester hours.

H501.—Diplomatic History of the United States I. Required of graduate students majoring in History. A study of the principle forces that have shaped American foreign policy from 1776 to 1898. Stress will be placed upon the principles developed during this period. Three hours a week, first semester. Three semester hours.

H502.—Diplomatic History of the United States II. Required of graduate students majoring in History. A study American foreign policy in the Twentieth Century. Emphasis will be given to our growth into a world power. Four hours a week third quarter. Two semester hours.

H531.—History of England from 1485. Required of graduate students majoring in English. A survey course in English history starting with the Tudor Renaissance. Special emphasis will be placed on English political and social history as it applies to English literature. Four hours a week, third quarter. Two semester hours.

INDUSTRIAL ARTS

IA463-464.—Woodworking. Required of Seniors. Cabinet construction requiring a basic knowledge of the common joints that are used commercially. This course also involves the proper use of all types of woodworking machinery; workmanship, safety, and maintenance are also impressed upon the student. In advance the student selects a project and presents a complete working-drawing, showing all the details necessary for its completion. Six hours a week, throughout the year. Six semester hours.

IA465.—Printing. A continuation of the Junior elective, IA369. Three hours a week, first semester. One and one-half semester hours.

IA466.—Printing. A continuation of IA465. Three hours a week, second semester. One and one-half semester hours.

IA467.—Electricity. A continuation of the Junior elective. Three hours a week, first semester.

One and one-half semester hours

IA468.—Electricity. A continuation of IA467. Three hours a week, first semester.

One and one-half semester hours.

MATHEMATICS

M103.—College Algebra. Elective for Freshmen who have had two years of Algebra and one of Geometry, but who have not had Trigonometry. The course reviews elementary algebra and covers the topics of intermediate algebra including sets and equations, inequalities, functions and relations. Three hours a week, first semester.

Three semester hours.

M104.—Trigonometry. Elective for students who have passed M103. The course includes solution of triangles, logarithms, and the study of trigonometric functions. Three hours a week, second semester.

Three semester hours.



M105.—Analytic Gometry. Elective for Freshmen who have studied Trigonometry and for Sophomores who have passed M104. This course considers graphs, equations of curves, and conic sections. Three hours a week, first semester. Three semester hours.

M106.—Introduction to Calculus. Elective for students who have passed M105. This course considers differentiation of algebraic functions, rates, and maxima and minima. Three hours a week, second semester. Three semester hours.

M201.—Calculus IIa. Elective for students who have passed M106. This course considers the integration of algebraic functions with application to areas, volumes, and lengths of curves. Three hours a week, first semester. Three semester hours.

M202.—Calculus IIb. Elective for students who have passed M201. This course considers transcendental functions, polar coordinates, and parametric equations. Three hours a week, second semester. Three semester hours.

M301.—Calculus IIIa. Elective for students who have passed M202. This course considers techniques of integration and series. Three hours a week, either semester. Three semester hours.

M302.—Calculus IIIb. Elective for students who have passed M301. This course considers partial differentiation and multiple integrals. Three hours a week, second semester. Three semester hours.

M305.—Basic Mathematics. Required of Juniors who elect Elementary and Kindergarten-Primary Curriculums. Elective for Seniors in Secondary Curriculum who are not majoring in Mathematics or Science. This course presents the basic ideas of elementary mathematics. Special attention is given to the understanding of our number system, to the meanings of mathematical operations, and to the applications of mathematics. Three hours a week, one semester. Three semester hours.

M306.—Modern Geometry. Elective for Juniors or Seniors. This course serves as an introduction to the ideas and methods of modern geometry. It is an extension of Euclidean geometry to theorems and problems not included in high school courses. Three hours a week, second semester. Three semester hours.

M316.—Mathmatics for the Kindergarten-Primary School Teacher. Required of Juniors electing the Kindergarten-Primary Curriculum. This course considers the methods and materials needed by

teachers of arithmetic in Grades I through III. M305 is a prerequisite. Two hours a week, second semester.

Two semester hours.

M326.—Mathematics for the Elementary School Teacher. Required of Juniors electing the Elementary Curriculum. This course considers the methods and materials needed by teachers of arithmetic in Grades I through VIII inclusive. M305 is a prerequisite. Two hours a week, second semester.

Two semester hours.

M335.—Foundations of Junior High School Mathematics. Required of Juniors electing the Secondary Curriculum and majoring in mathematics or science. This course provides backgrounds for teaching both traditional and modern mathematics. Special attention is given to number systems, basic concepts and applications of mathematical operations, definitions and properties of sets and various uses of the set concept. Three hours a week, first semester.

Three semester hours.

M402.—Mathematical Statistics. Elective for Seniors. A broad introduction to classical large-sample methods. Topics covered are probability, frequency distributions, sampling theory, hypothesis testing and estimation, correlation and regression. Three hours a week, second semester.

Three semester hours.

M404.—Mathematics of Finance. Elective for Seniors. This course considers the application of algebra to interest, annuities, bonds, investments and life insurance. Three hours a week, second semester.

Three semester hours.

M406.—Higher Algebra. Elective for Seniors. This course is an introduction to modern abstract algebra and considers number theory, equivalence classes, congruences, Boolean algebra, groups, fields, and rings. Three hours a week, second semester.

Three semester hours.

M408.—Introduction to Mathematical Thought. Elective for Seniors. A unified approach to the logical structure of mathematics with emphasis both on postulational foundations and the process of logical reasoning with applications to science and other fields of thought. Three hours a week, second semester.

Three semester hours.

M409.—Elementary Differential Equations. This course considers the theory and techniques of solving differential equations. Equations of the first order and first degree, linear differential equations, non-homogeneous equations, and special equations of order

two are studied, together with their applications to science. M302 is a prerequisite. Three hours a week, second semester.

Three semester hours.

M501.—Modern Geometry. Required of graduate students preparing to teach mathematics in secondary schools. This course serves as an introduction to the ideas and methods of modern geometry. It is an extension of Euclidean geometry to theorems and problems not included in high school courses. Three hours a week, first semester.

Three semester hours.

M502.—Mathematics of Finance. Offered as a major or minor for graduate students. This course considers the applications of algebra to interest, annuities, bonds, investments, and life insurance. Four hours a week, third quarter.

Two semester hours.

M542.—A Survey of Algebra and Number Theory. Required of graduate students majoring in mathematics and preparing to teach at junior and senior high school levels. Emphasis will be placed on algebraic structures, nature of proof, formal properties and construction of number systems, and methods of presentation of these topics in a modern mathematics program. Four hours a week, third quarter.

Two semester hours.

MUSIC

Ms101.—Music IA. Elective for Freshmen and Sophomores. This course includes: (1) a study of keys, signatures, scales, intervals, triads; (2) ear training; (3) rhythmic and melodic dictation; (4) sight singing; (5) voice training; (6) interpretation; (7) application of the voice to book materials. Three hours a week, first semester.

Three semester hours.

Ms102.—Music IB. Elective for students who have passed Ms101. This course continues the work of Music IA and also includes the study of elementary harmony. Three hours a week, second semester.

Three semester hours.

Ms201.—Appreciation of Music. Required of Sophomores. A general survey is made of the history and literature of music, illustrated by means of phonograph records and participation by the class. The course includes a study of folk music, polyphony, classicism, romanticism, and modernism. Three hours a week, either semester.

Three semester hours.

Ms203.—Music IIA. Elective for Sophomores. Prerequisite: Ms102. This course continues the work of Ms101 and 102. It includes (1) voice and ear training; (2) sight singing; (3) more advanced dictation; (4) presentation and interpretation of part songs; (5) harmonic analysis; (6) harmony; triads and their inversions, dominant seventh chords, the harmonization of melodies and figured basses. Three hours a week, first semester.

Three semester hours.

Ms204.—Music IIB. Elective for Sophomores. Prerequisite: Ms203. This course develops further the work of Ms203 and also includes the study of the dominant seventh chord and its inversions, the chords of the seventh upon the leading tone, secondary seventh chords, and modulation. Three hours a week, second semester.

Three semester hours.

Ms301.—Music IIIA. Elective for Juniors. Prerequisite: Ms203 and 204. This course includes (1) theory; (2) sight singing; (3) voice and ear training; (4) rhythmic and melodic dictation; (5) Transposition; (6) presentation and interpretation of part songs; (7) harmonic analysis; (8) harmony: modulation, irregular resolutions, and non-harmonic tones, and the harmonization of melodies and figured basses. Three hours a week, first semester.

Three semester hours

Ms302.—Music IIIB. Elective for Juniors. Prerequisite: Ms301. The course continues the work of Music IIIA and also includes the study of the chords of the dominant ninth, eleventh, and thirteenth, the Neapolitan sixth and the chords of the augmented sixth. Three hours a week, second semester.

Three semester hours.

Ms402.—Music, IV. Elective for Seniors. Prerequisite: Ms301-302. The course includes (1) voice and ear training; (2) sight singing; (3) presentation and interpretation of part songs; (4) keyboard harmony; (5) written harmony—further use of harmonic material applied to the harmonization of folk songs; (6) harmonic analysis. Three hours a week, second semester.

Three semester hours.

Ms411.—Music, Kindergarten-Primary. Required of Seniors who have elected the Kindergarten-Primary Curriculum. The course includes voice and ear training; a study of keys, signatures, scales, intervals, triads; sight singing; methods of teaching music in the kindergarten and primary grades; vocal problems of the child's voice; rote songs; piano playing; a study of materials suitable for use in these grades. Candidates must pass a satisfactory examination in piano playing. Three hours a week, either semester.

Three semester hours.

Ms422.—Music, Elementary School. Required of Seniors who have elected the Elementary Curriculum. The course includes: (1) a study of keys, signatures, scales, intervals, triads; (2) voice and ear training; (3) sight singing; (4) interpretation; (5) methods of teaching music in the elementary grades; (6) study of materials suitable for use in these grades. Three hours a week, either semester. Three semester hours.

PHILOSOPHY

Phil401.—General Philosophy. Required of Seniors. The aim of this course is to acquaint the student with the philosophic method, the problems of philosophy, and the great philosophers. Attention will be given to cosmology, ontology, rational psychology, logic, epistemology, aesthetics, and the various philosophic schools. Three hours a week, first semester. Three semester hours.

Phil402.—Logic. Elective for Seniors. This course studies principles of Rhetoric and Logic. Rhetoric aims to discover and reduce to system the rules of persuasion. Logic aims to discover rules of right reasoning which guide the mind to think and reason correctly in its chief operations: Simple Apprehension, Judgment, Reasoning. Special attention is given to Fallacies, Deduction, Induction, and Subjective Factors affecting thinking. Three hours a week, either semester. Three semester hours.



Phil525.—Philosophy of Education. Required of graduate students majoring in Elementary Education. This course is a study of educational thought. It includes an examination of the great documents of educational thought which have influenced present day education. There will be an application of the philosophical bases of education to recurrent and contemporary educational issues and problems. Six hours a week, third quarter.

Three semester hours.

Phil531.—Philosophical Foundations of Education — Part I. Required of graduate students majoring in Secondary Education. This course is an historical approach to the study of educational thought and includes an examination of primary educational concepts which have evolved through western thought to the present day. Selections from the great documents in educational thought are studied in relation to the historical period in which they were produced. The student is expected to read and analyze the original contributions of the major educational philosophers. Three hours a week, first semester.

Three semester hours.

Phil532.—Philosophical Foundations of Education—Part II. Required of graduate students majoring in Secondary Education. This course makes application of the philosophical bases of education to recurrent and contemporary educational issues and problems. Each topic is studied from the viewpoint of each of the major philosophical systems and the related educational concepts in order to determine to what extent a synthesis of viewpoint may be achieved. Four hours a week, third quarter.

Two semester hours.

PHYSICAL EDUCATION

PhEd101-102M.—Freshman Year Activities. Required of all men students. This course is designed to improve or maintain the physical fitness of the students through vigorous exercise. Emphasis is placed on team games and activities with a "carry-over" value. Instruction is given in softball, tag football, basketball, track, volleyball, badminton, and golf. Two hours a week, throughout the year.

PhEd101-102W.—Freshman Physical Education. Required of all women students. This course stresses educative motor experiences through a general survey of physical education activities. It is adapted to the varying backgrounds and needs of the students. Two hours a week, throughout the year.

PhEd201M.—Aquatics. Required of all Sophomore men. Non-swimmers are taught the elementary strokes. Swimmers' tech-

niques are improved, and their physical condition strengthened. Emphasis is placed on water safety. Two hours a week, first semester.

PhEd201W.—Aquatics. Required of all Sophomore women. An aquatics course concerned with swimming and diving. Safety rules are stressed throughout all water activities. Two hours a week, either semester.

PhEd202M.—Recreation and Leadership. A gymnasium course for men designed in general to acquaint the student with the opportunities in the field of recreation and specifically to prepare the student for work on playgrounds. Emphasis is placed on the organization and administration of a playground and the activities included in a well planned program. Two hours a week, either semester. One semester hour.

PhEd202W.—Recreation and Leadership. Required of Sophomore women students. A course designed to equip students with methods and materials used in recreation, and to acquaint them with the opportunities available in the recreational field. Two hours a week, either semester. One semester hour.

PhEd301.—Physical Education. Required of all Juniors who have elected the Elementary or Kindergarten curriculum. This course will include a study of the aims and objectives of physical education at the elementary school level. The students will become acquainted with the methods and materials used in teaching physical education. Two hours a week, either semester. One semester hour.

PhEd401M.—Coaching the Major Sports. Elective for Junior and Senior men. This course is designed to prepare the student to coach athletic teams at the elementary and junior high school level. The rules, strategy, practice techniques, coaching psychology of football, baseball and basketball will be covered. Three hours a week, second semester. Three semester hours.

PhEd401W.—Coaching and Officiating. Elective for Junior and Senior women. Training for coaching and officiating in girls sports is given. Practice in officiating is a required part of the course. Opportunities for participation in clinics and rating sessions and to take examinations for local and national ratings in Basketball, Volleyball, and Softball are offered. Those electing this course must be approved by the Physical Education Department. Three class hours a week, second semester. Three semester hours.

PHYSICAL SCIENCES

PS101.—Physical Sciences I. This course, required of all Freshmen, is designed to acquaint the student with the contributions and the place of science in contemporary civilization. Specifically designed for the student who will not major in science, the course attempts to show what science is and what it purports to do. In this portion of the course, selected topics from physics are studied from the points of view of their historical origin, their development and the influences which they have had on modern society. Lectures, demonstrations, discussions and supplemental readings will be used. Three hours a week, first semester.

Three semester hours.

PS102.—Physical Sciences II. A continuation of the course, Physical Sciences I; in this part of the course selected topics from the fields of chemistry and astronomy are studied with the same points of view in mind as in the preceding course. Physical Sciences I is a prerequisite. Three hours a week, second semester.

Three semester hours.

PS203.—General College Chemistry I. This course is elective for Sophomores and Juniors. The basic principles of Chemistry and their application to the chemical behavior of the common elements are studied. Representative topics included in this portion of the course are the study of the periodic table, atomic structure, chemical reactivity of elements. Lectures, demonstrations and individual laboratory work. Two class hours and two hours of laboratory work a week, first semester.

Three semester hours.

PS204.—General College Chemistry II. This is a continuation of General College Chemistry I. Additional topics treated in this portion of the course include factors affecting the rate and equilibrium of a chemical reaction, acid-base systems, introduction to chemistry of carbon. Two class hours and two hours laboratory work a week, second semester. General College Chemistry I is a prerequisite.

Three semester hours.

PS301.—General College Physics I. This course is elective for Sophomores and Juniors. Selected topics from the areas of Mechanics and Heat will be discussed by means of lectures, demonstration and individual laboratory work. (M106 is a prerequisite.) Two class hours and two hours of laboratory work a week, first semester.

Three semester hours.

PS302.—General College Physics II. This is a continuation of General College Physics I. In this portion of the course topics from

the areas of Electricity, Light and Sound will be studied. Two class hours and two hours of laboratory work a week, second semester. PS301 is a prerequisite. Three semester hours.

PS402.—Nuclear Physics. This course is elective for Seniors. An intensive study will be made of the principles of nuclear radiations with particular emphasis being given to the implications of the form of energy. Lectures, demonstrations and selected readings will be used in the presentation of the material. Three class hours a week, second semester. Three semester hours.

PS531.—General Science in the Secondary School. Elective as a major for graduate students who are preparing to teach in the junior high school. The subject matter of this course is descriptive astronomy with particular emphasis on the solar system. Lectures, demonstrations and laboratory exercises are given. Three class hours a week for one semester. Three semester hours.

PS532.—General Science in the Secondary School. Elective as a major for graduate students who are preparing to teach in the junior high school. This course deals with the history and philosophy of science with particular emphasis on the significance of experimentation in the development of scientific thought. Four hours a week for one quarter. Two semester hours.

PSYCHOLOGY

P101.—General Psychology. A required subject for Freshmen. As a prerequisite and foundation for the study of Educational Psychology this course will analyze human behavior emphasizing in particular the reactions of individuals to environmental stimuli. Three hours a week, first semester. Three semester hours.

P102.—Educational Psychology. A study of psychological facts and principles fundamental to education, teaching, and personal relationships between teacher and pupil. Topics considered in relation to school situations are physical and mental growth, intelligence, motivation, emotions, learning, transfer of training and mental hygiene of teacher and pupil. Three hours a week, second semester. Three semester hours.

P201.—Child Growth and Development. Required of Sophomores who plan to elect the Elementary or Kindergarten-Primary Curriculum. This course treats the following subjects and their interrelationships: (1) communication and intellectual development, (2) physical environment and physical development, (3) personal and emotional development, (4) social environment and social development, (5) Mores and cultural development. The emphasis is on the

elementary school child, but attention will be given to the child's earliest development, adolescent problems, delinquency, and the exceptional child. All of these topics will be taken from the standpoint of the child's general patterns of development. Two hours of classroom work, either semester. Two semester hours.

P231.—Adolescent Psychology. Required of Sophomores who plan to elect the Secondary Curriculum. This course is a study of the sequence of growth in the adolescent with emphasis on intellectual growth, physical growth, social growth, emotional growth, ego development, communication development. Two hours a week, first semester. Two semester hours.

P501.—Psychological Foundations of Education — Part I. This course covers the theoretical aspects of psychology for the classroom teacher. It includes a systematic analysis of the major schools of psychology and a study of the effects of heredity and environment. Reading in the following areas will be required: results of research on growth and development, theories of intelligence, concepts in measurement and evaluation, individual differences in capacity and achievement, and learning theory. Three hours a week, first semester. Three semester hours.

P502.—Psychological Foundations of Education — Part II. This course is an advanced systematic exposition of various psychological principles related to teaching, with a special emphasis on the application of these principles to specific classroom situations. Readings will be required in the areas of emotional growth, mental health, motivation, discipline, dynamics of interpersonal relationships, social psychology, and adolescent psychology. Four hours a week, third quarter. Two semester hours.

SOCIOLOGY

Soc401.—Sociology. Required of Seniors in the Industrial Arts Curriculum and elective for other Seniors. This course is a study of social relationship in a democracy. It deals with such topics as the following: (1) factors in the social life of man; (2) the role and growth of culture; (3) geographical environment; (4) group life; (5) crowds, publics, and social classes; (6) cooperation, competition, conflict, accommodation, and assimilation; (7) economic institutions; (8) interrelationship of institutions; (9) problems in social disorganization. Three hours a week, second semester.

Three semester hours.

STATE COLLEGE AT BOSTON

President

Dr. William F. Looney

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Boston Normal School

1924-1952

The Teachers College of the City of Boston

1952-1960

State Teachers College at Boston

1960

State College at Boston

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